

**Chapter 3 The Biosphere****Section Review 3-1****Reviewing Key Concepts**

**Matching** *On the lines provided, write the letter of the term on the right that best matches each description.*

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|-------|--|---------------|
| _____ | 1. groups of individuals that belong to the same species and live together                   | a. population |
| _____ | 2. different populations that live in a defined area   | b. biosphere  |
| _____ | 3. all organisms in an area, including the non-living parts of their environment             | c. ecosystem  |
| _____ | 4. a geographical region containing several ecosystems with the same climate and communities | d. biome      |
| _____ | 5. the combined portions of the planet in which all life exists                              | e. community  |

**Short Answer** *On the lines provided, answer the following questions.*

6. In what way is observation important in ecological inquiry?

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7. Why do scientists use experimenting as a method of research?

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8. How is modeling helpful to scientists?

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**Reviewing Key Skills**

9. **Applying Concepts** Explain the relationship between interactions and interdependence.

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10. **Comparing and Contrasting** Observing and experimenting are two ways that ecologists can answer scientific questions. What are some differences between these two approaches?

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